



U.S. Department  
of Transportation

Pipeline and  
Hazardous Materials  
Safety Administration

400 Seventh Street, S.W.  
Washington, D.C. 20590

AUG 23 2005

DOT-E 9940  
(TENTH REVISION)

EXPIRATION DATE: July 31, 2007

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: GE Reuter-Stokes  
Twinsburg, OH
2. PURPOSE AND LIMITATIONS:
  - a. This exemption authorizes the manufacture, mark, sale and use of non-DOT specification containers described as hermetically sealed electron tube devices for the transportation in commerce of certain Division 2.2 gases. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
  - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.306 and 175.3 in that non-DOT specification containers are not authorized except as specified herein; and the labeling and placarding requirements in Subparts E and F of Part 172.
5. BASIS: This exemption is based on the application of GE Reuter-Stokes dated August 1, 2005, submitted in accordance with § 107.109 and additional information dated August 15, 2005.

**AUG 23 2005**6. HAZARDOUS MATERIALS (49 CFR § 172.101):

<b>Proper Shipping Name/ Hazardous Material Description</b>	<b>Hazard Class/ Division</b>	<b>Identi- fication Number</b>	<b>Packing Group</b>
Argon, compressed	2.2	UN1006	N/A
Carbon dioxide	2.2	UN1013	N/A
Compressed gas, n.o.s. (mixtures of the gases listed above, with or without 5% or less methane)	2.2	UN1956	N/A
Helium, compressed	2.2	UN1046	N/A
Krypton, compressed	2.2	UN1056	N/A
Neon, compressed	2.2	UN1065	N/A
Nitrogen, compressed	2.2	UN1066	N/A
Tetrafluoromethane, or Refrigerant gas R14	2.2	UN1982	N/A
Xenon	2.2	UN2036	N/A

7. SAFETY CONTROL MEASURES: Packagings prescribed are non-DOT specification, metal, single trip, inside containers, described as hermetically sealed electron tube radiation sensors. The radiation sensors have volumes not exceeding 500 cubic inches water capacity, and design (operating) pressures not exceeding 450 psig. Each radiation sensor is designed and constructed in accordance with GE Reuter-Stokes Technical Specification Number ER-Q-0050-18 dated March 3, 1988, on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA). The radiation sensor must be shipped in a strong outside packaging capable of withstanding a minimum drop test of six feet without breakage of the radiation sensor or rupture of the outside packaging. The design burst pressure of the radiation sensor must be at least 5 times the design pressure.

8. SPECIAL PROVISIONS:

- a. In accordance with the provisions of Paragraph (b) of § 173.22a, persons may use the packaging authorized by this exemption for the transportation of the hazardous materials specified in paragraph 6, only in conformance with the terms of this exemption.

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- b. A person who is not a holder of this exemption, but receives a package covered by this exemption, may reoffer it for transportation provided no modification or change is made to the package or its contents and it is offered for transportation in conformance with this exemption and the HMR.
- c. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.
- d. Each packaging manufactured under the authority of this exemption must be either (1) marked with the name of the manufacturer and location (city and state) of the facility at which it is manufactured or (2) marked with a registration symbol designated by the Office of Hazardous Materials Exemptions and Approvals for a specific manufacturing facility.
- e. A current copy of this exemption must be maintained at each facility where the package is manufactured under this exemption. It must be made available to a DOT representative upon request.
- f. If repackaged, packagings used to ship larger equipment containing radiation sensors covered by this exemption must be strong outside packagings providing equivalent protection for the devices as specified in paragraph 7 above.
- g. Except when offered for transportation by air:
- (1) Packages covered by this exemption are excepted from the labeling requirements of subpart E of Part 172.
  - (2) Shipments are not subject to the placarding requirements of subpart F of Part 172.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel, cargo aircraft only, and passenger-carrying aircraft.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel and aircraft used to transport packages covered by this exemption. The shipper must furnish a current copy of this exemption to the air carrier before or at the time the shipment is tendered.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

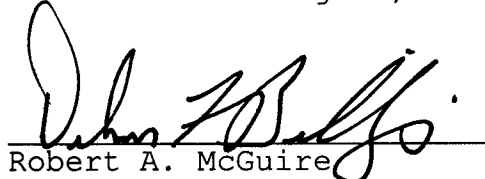
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, Parts 171-180.
- o Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this exemption are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this exemption must notify the Associate Administrator for Hazardous Materials Safety -- OHMEA, in writing, of any incident involving a package, shipment or operation conducted under terms of this exemption.

Issued in Washington, D.C.:



Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

**AUG 23 2005**

DATE

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Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-31.

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Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: sln